2.4.1 Sources	27
2.4.2 Amplifiers	27
2.4.3 Delay	28
2.4.4 Time Reversal	28
Exercise 2.6.1	28
2.4.5 Derivative Systems and Integrators	29
2.4.6 Linear Systems	29
2.4.7 Time-Invariant Systems	30
2.5 Signals and Systems Problems	32
Problem 2.1: Complex Number Arithmetic	32
Problem 2.2: Discovering Roots	
Problem 2.3: Cool Exponentials	32
Problem 2.4: Complex-valued Signals	33
Problem 2.5:	34
Problem 2.6:	35
Problem 2.7: Linear, Time-Invariant Systems	36
Problem 2.8: Linear Systems	37
Problem 2.9: Communication Channel	
Problem 2.10: Analog Computers	38
2.6 Solutions to Exercises in Chapter 2	38
Chapter 3 Analog Signal Processing	40
3.1 Voltage, Current, and Generic Circuit Elements	
Exercise 3.1.1	
3.2 Ideal Circuit Elements	41
3.2.1 Resistor	
3.2.2 Capacitor	
3.2.3 Inductor	
3.2.4 Sources	
3.3 Ideal and Real-World Circuit Elements	
3.4 Electric Circuits and Interconnection Laws	
3.4.1 Kirchhof's Current Law	
Exercise 3.4.1	
3.4.2 Kirchhof's Voltage Law (KVL)	
Exercise 3.4.2	
3.5 Power Dissipation in Resistor Circuits	
Exercise 3.5.1	
Exercise 3.5.2	
3.6 Series and Parallel Circuits	
Exercise 3.6.1	
Exercise 3.6.2	
Example 3.1	
Exercise 3.6.3	
3.7 Equivalent Circuits: Resistors and Sources	
Exercise 3.7.1	
Example 3.2	
Exercise 3.7.2	